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ABSIRACT

An investigation was made to determine the number of female students who completed or withdrew from five industry and technology courses predominantly enrolled by male students, over an 11 year period from 1964 to 1974. A total of 59 females had enrolled in Auto Mechanics, while 9, 8, and 5 females had enrolled in Welding, Construction Technology, and Air Conditioning and Refrigeration, respectively. No females had enrolled in Auto Body and Fender. The last three years of the study indicate a completion percent of 56, 52, and 50. The percent of those completing courses for all years studied was 53. The course having the highest percent of female enrollees completing the course was Welding, with a completion rate of 67 percent. This course was followed by Auto Mechanics (54 percent), Air Conditioning and Refrigeration (40 percent), and Construction Technology (38 percent). Three tables are appended. (NHM)

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AN ANALYSIS OF FEMALE ENROLLMENT AND PERSISTENCE IN FIVE SELECTED INDUSTRY AND TECHNOLOGY COURSES

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JC 750 465

AN ANALYSIS OF FEMALE ENROLLMENT AND PERSISTENCE IN FIVE SELECTED INDUSTRY AND TECHNOLOGY COURSES

An investigation was made to determine the number of female students who completed and withdrew from five industry and technology courses, predominantly enrolled by male students. The courses included air conditioning and refrigeration, auto mechanics, construction technology, welding, and auto body and fender. No females enrolled in auto body and fender. The results are presented in Tables 1, 2, and 3.

Table 1 indicates the total number of females enrolled, number who completed the course, and the number who withdrew from the four courses for the Fall, Spring, and Summer Semesters from 1964 to 1974. There was a total of 59 female enrollees in auto mechanics, while welding, construction technology, and air conditioning and refrigeration had nine, eight, and five, respectively. There was a total of 81 female enrollees over the 11-year period.

Table 2 indicates that the distribution of enrollment for the fall, spring, and summer was 36 (44.4%), 25 (30.9%), and 20 (24.7%), respectively.

Table 3 presents the percents of those completing the courses and of those withdrawing from the courses. Prior to the 1972-1973 year, there were fewer than eight female enrollees in these courses for any year, indicating that the data in these years should be interpreted with caution. The last three years of the study indicate a completion per cent of 56, 52, and 50.

The per cent of those completing courses in all courses and for all years studied was 53. The course having the highest per cent of female enrollees completing the course was welding with a completion rate of 67 per cent. This course was followed by auto mechanics (54%), air conditioning and refrigeration (40%), and construction technology (38%).

Table 1

TOTAL NUMBER OF FEMALES ENROLLED IN SELECTED
INDUSTRY AND TECHNOLOGY COURSES AND THOSE WHO HAVE COMPLETED OR WITHDRAWN
1964-1974

Year	Semester	Air Cond. & Refrig.	Auto Mechanics	Construction Technology	Welding
1964-65	Fall			1-1-0	
	Spring				
	Summer				2-2-0
1965-66	Fall			1-0-1	1-1-0
	Spring			3-1-2	1-0-1
	Summer				
1966-67	Fall				
	Spring		1-1-0		
	Summer				
1967-68	Fall				
	Spring				
	Summer				
1968-69	Fall				
	Spring				
	Summer				
1969-70	Fall		1-0-1		
	Spring		1-1-0		
	Summer				
1970-71	Fall		2-1-1		
	Spring		2-2-0		2-1-1
	Summer		1-1-0		
1971-72	Fall				1-1-0
	Spring			1-1-0	
	Summer				
1972-73	Fall		5-5-0		
	Spring		2-0-2		
	Summer		8-4-4		
1973-74	Fall	1-1-0	10-4-6		
	Spring		2-1-1		
	Summer		2-2-0		2-1-1
1974-75	Fall	2-1-1	11-5-6		
	Spring	1-0-1	7-5-2	2-0-2	
	Summer	1-0-1	4-0-4		
TOTAL		5-2-3	59-32-27	8-3-5	9-6-3

Legend: a-b-c -- a = number of females enrolled, b = number who have completed course, c = number who withdrew from course.

NOTE: There were no enrollees in Auto Body and Fender.

Table 2

TOTAL NUMBER OF FEMALES ENROLLED IN SELECTED
INDUSTRY AND TECHNOLOGY COURSES ACCORDING TO YEAR AND SEMESTER

Year	Fall	Spring	Summer	Total
1964-65	1-1-0		2-2-0	3-3-0
1965-66	2-1-1	4-1-3		6-2-4
1966-67		1-1-0		1-1-0
1967-68				
1968-69				
1969-70	1-0-1	1-1-0		2-1-1
1970-71	2-1-1	4-3-1	1-1-0	7-5-2
1971-72	1-1-0	1-1-0		2-2-0
1972-73	5-5-0	2-0-2	8-4-4	15-9-6
1973-74	11-5-6	2-1-1	4-3-1	17-9-8
1974-75	13-6-7	10-5-5	5-0-5	28-11-17
TOTAL	36-20-16	25-13-12	20-10-10	81-43-38

Legend: a-b-c -- a=number of females enrolled, b=number who completed course, c=number withdrawn from course.

NOTE: There were no enrollees in Auto Body and Fender.

Table 3

PER CENT OF FEMALES COMPLETING AND WITHDRAWING FROM SELECTED INDUSTRY AND TECHNOLOGY COURSES FROM 1964 TO 1974

YEAR	PER CENT COMPLETING COURSE	PER CENT WITHDRAWING FROM COURSE
1964-1965	100	0
1965-1966	33	67
1966-1967	100	0
1967-1968	-	-
1968-1969	-	-
1969-1970	50	50
1970-1971	71	29
1971-1972	100	0
1972-1973	60	40
1973-1974	53	47
1974-1975	39	61
Total Fall	56	44
Total Spring	52	48
Total Summer	50	50
Total Air Conditiong and Refrigeration	40	60
Total Auto Mechanics	54	46
Total Construction Technology	38	62
Total Welding	67	33
GRAND TOTAL	53	47

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